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Eco-Medi SafeGuard+ Classic Matt Anti-Viral Paint SPTBMSGP 1, 5 & 15Litres



Description

Smart Eco-Medi SafeGuard+ is an environmental-friendly bio-proof interior paint that promotes good hygiene and a healthy environment. The product is specially formulated with Silver-Ion technology which is tested and effectively battle against viruses like Human Coronavirus and Enterovirus 71 (Single-stranded RNA virus which is also one of the pathogens that causes hand, foot and mouth disease.) Besides, this product also protects the environment from any types of bacteria such as E.Coli and Staphylococcus Aereus, fungi and mould. It is highly recommended to be used in environments such as childcare centres, kindergarten, school, clinics, hospitals and other facilities that require hygiene attention. The paint film is durable and washable which is highly suitable for interior wall and ceiling.



1. Effective against viruses- up to **99.9%** Human Coronavirus (CoV-OC43 - Beta Coronavirus) & **99.9%** HFMD - Hand, Foot & Mouth Disease (EV-A71 - Human Enterovirus)
Tested by : Institute Of Health And Community Medicine, University Malaysia Sarawak
2. Effective against bacterial - up to **99.99%** E.Coli & S.Aureus
Tested by SGS Malaysia - JISZ 2801:2010

Usage

For decoration and protection of wall, ceiling, plaster, brickwork and cement board for a Smooth and Elegant Classic matt finish.

Composition

Pigment	:	Lightfast non-lead pigments and mineral extenders
Binder	:	Styrene Acrylic Emulsion.
Volume Solid	:	White 38% (Nominal), other colours will vary.
Diluent	:	Water.

Properties

Finishing	:	Smooth Elegant Classic Matt Finish.
Colour	:	Refer to color card.
Theoretical Coverage	:	10 - 12m ² / Litre (actual coverage dependent on substrate condition.)
Drying Time	:	*Touch dry – 30 minutes. *Dependent on temperature and humidity.
Recoating Interval	:	2 to 3 hours.

Application Method

Brush	:	For normal use thinning is not usually necessary.
Roller	:	For normal use thinning is not usually necessary. Can be thin 5 – 10% by volume with water to assist application.
Conventional Air Spray	:	Thin with max 10 – 20 % by volume with water.
Airless Spray	:	For normal use thinning is not usually necessary. Can be thin with 5 – 10% by volume with water to assist application.

Surface Preparation

General/New

Surfaces must be sound, clean, dry and free from all defective or poorly adhering material, dirt, grease or wax. To have better finish rubbed down surface using suitable abrasive and dust off. If after thorough preparation surface remain powdery, or suffer from alkali attack, for best effect seal with 1 coat of Smart Green Sealer 850.

Previously Painted Surface

Remove all loose, defective and unstable paint film or powdery residues by thorough brushing and scraping. Make good minor defects and cracks with suitable grade filler.

Painting Guide

Substrate	Primer (1coat)	Finish (1 – 3 coats)
Powdery Surface	Smart Green Sealer 850 Smart Eco Sealer Smart Wall Sealer 900	Smart Eco-Medi Safe-guard+
Alkali/ New Surface	Smart Green Sealer 850 Smart Eco Sealer Smart Wall Sealer 900	Smart Eco-Medi Safe-guard+

Composition / Information on Ingredients

Component	% by wt	% by wt
Emulsion Polymer	< 30%	-
Pigment	< 40%	-
Additive	< 2%	-
Water	< 30%	-

Hazard Identification

Not classified

First Aid Measures

EMERGENCY AND FIRST AID PROCEDURES :

If overcome by vapors, remove to fresh air and if breathing stopped, give artificial respiration. Keep individual calm. Call a physician. If eye contact occurs, flush with water for at least 15 minutes and call a physician. For skin contact, wash thoroughly with soap and water. If swallowed, do not induce vomiting. Drink a glass of water and consult physician IMMEDIATELY.

Fire Fighting Measures

CLASSIFICATION : Not Combustible

*FLASH POINT (%) : NA

*EXPLOSIVE LIMITS : NA
(% BY VOLUME)

LEL : NA

UEL : NA

FIRE EXTINGUISHING MEDIA : Foam, CO₂, Dry Powder, sand

FIRE FIGHTING PROCEDURES : Respiratory protection is required for fire fighting personnel. Do not breathe fumes. Stay upwind, if possible.

*properties of solvent used

Accidental Release Measures

- Personal precautions : Use appropriate safety equipment. For additional information, refer to Section 8, Personal Protection information.
- Environmental precautions : Prevent the product from escape into soil, watercourses or drainage systems.
- Methods for cleaning up : Eliminate source of ignition. Contain area and keep public away. Recover free liquid by pumping or scooping with shovel into separate container. Use sawdust, sand, earth or other absorbent to prevent material flow. Prevent liquid from entering sewers, watercourse or low areas. Dispose in accordance with local regulation.

Handling and storage

Keep container closed when not in use. Do not handle or store near open flame, heat, sparks, or strong oxidants. Adequate ventilation required. Avoid inhalation of vapours and contact with skin and eyes. Do not keep product for a long time (>2 years). Keep good house-keeping.

Exposure Controls / Personal Protection

Ventilation	:	Sufficient ventilation should be provided during application.
Respiratory Protection	:	Use approved respiratory protection such as air supplied mask if used in enclosed spaces.
Eye Protection	:	Chemical splash-proof goggles or face shield
Protective Gloves	:	Chemically resistant gloves

Physical and Chemical Properties

Appearance	:	Viscous liquid with various colour
Solid	:	<60% (depends on colour)
Specific Gravity @ 25oc	:	1.35 - 1.45 (depends on colour)
*boiling Point	:	100 °C
*melting Point	:	0 °C
*vapour Pressure (Air = 1)	:	>1
*vapour Density (101.3 Kpa / Air = 1)	:	>1
Evaporation Rate (N – Butyl Ether = 1)	:	<1
Solubility	:	Miscible with water
Odour	:	Mild

*properties of water

Stability and Reactivity

Stability	:	Heat, spark, open flame and static charge build-up
Incompatibility (Materials to avoid)	:	Strong oxidizing agents
Decomposition Products	:	Carbon monoxide and carbon dioxide

Toxicological Information

Skin Contact	:	Prolonged and repeated contact may cause slight skin irritation.
Eye Contact	:	Prolonged and repeated contact may cause slight temporary eye irritation.
Inhalation	:	Prolonged and repeated may cause respiratory irritation. Signs and symptoms of excessive exposure may include headache, or vomiting.

Effects Of Over Exposure : High vapour and spray mist can be irritating to the eyes, skin and the respiratory tract. Excessive inhalation can cause headache, nausea, dizziness or irritation to the respiratory tract and may have other central nervous system effects. Ingestion can cause lungs, kidney and/or liver damage. Overexposure can cause irreversible eye burns and damage. Skin and respiratory sensitization and allergic reaction such as rash, hives or asthma can occur.

Ecological Information

No ecological studies have been carried out on this product.

Disposal Considerations

If possible recover the product, otherwise dispose by incinerate or land fill must be in compliance with all local laws and regulation.

Transport information

ROAD (ADR) : Not Regulated

RAIL (RID) : Not Regulated

AIR (ICAO/IATA) : Not Regulated

SEA (IMO/IMDG) : Not Regulated

Regulatory Information

Regulatory information in country or region with regards to this product should be observed.

Other Information

All information appearing herein is based on our present state of our knowledge. However the information in this MSDS may not be valid for such material used in combination with any other materials or in any process. No representation, warranty or guarantee is made as to its accuracy, reliability or completeness. We do not accept liability for any loss or damage that may occur from the use of this information.

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